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present in various portions of the earth, and follows these with an account of the accidental syntheses that have been reported, such as those resulting during the burning of coal under ground, or those produced by action of the moisture of the soil upon coins buried in it, etc. He then comes to the subject proper of the book—an account of the ‘rational syntheses’ that have been made. He gives an account of all the minerals formed by dry fusion, with or without the intervention of a ‘mineralizer,’ describes the wet methods that have yielded products identical with minerals, and discusses the mixed processes that have given similar results. The classification of methods is simple and at the same time satisfactory. So far as the reviewer is able to judge, nearly all mineral syntheses that have ever been made are at least referred to in Meunier’s book.—W. S. BAYLEY.

The Worms of Bronn’s Thier-Reichs.—This volume was commenced by A. Pagenstecher who wrote “Lieferungen 1–6” and was then obliged to give up further work on account of ill-health. Prof. Max Braun⁸ of Königsburg (i, Pr.), Germany has undertaken the task of completing the treatise and up to date has issued Lief. 7–16.

Lief. 1–7 are given up to a historical introduction (261 p.), while the remainder of the work which has thus far appeared is occupied with a discussion of the Mionelminthes and Monogenea.

The system thus far adopted is:

MIONELMINTHES: I. Rhombozoa, 1. ord. Heterocyemida (genera *Conocyema*, *Microcyema*), 2. ord. *Dicyemida* (genera *Dicyema*, *Dicyemene*). II. Orthonectida (g. *Rhopalura*). *Trichoplax*.

PLATHELMINTHES: I. Trematodes, 1. Monogenea; families: Temnocephalæ, 1 genus; Tristomeæ, 3 sub-families with 14 genera; Polystomeæ, 4 sub-families with 18 genera. (It will be noticed that Braun does not use the ending *idae* determined upon by the International Congress as the ending of the family name).

The work is well written, finely illustrated and contains a very full bibliography with short reviews of every paper. This book will be the most complete treatise in existence on the group Vermes, and is indispensable to those who wish to work in that subject. The Reviewer urges all Americans who publish on the group, to aid Prof. Braun in the rest of his work by forwarding to him reprints of all the papers they publish in this line.

The monograph costs 1 mark 50 pro Lieferung, and is published by C. P. Winter, Leipzig and Heidelberg.—C. W. STILES.

⁸Braun’s Klassen und Ordnungen des Thier-Reichs: Bd. iv. Vermes.